

This listing of Claims will replace all prior versions, and listings, of Claims in the application:

Listing of Claims:

1. (original): A method of providing electrical pulses to one or both vagus nerve(s) and its branches of a patient to provide therapy for at least one of atrial fibrillation, congestive heart failure, inappropriate sinus tachycardia, and refractory hypertension, comprising the steps of:

- a) providing a stimulation means, wherein said stimulation means comprising implantable and external components;
- b) providing programmer means, wherein said programmer means comprising means for networking with remote computers for data exchange; and
- c) programming said stimulation means with said programming means; whereby, said therapy is provided by said electrical pulses.

2. (original): The method of claim 1, wherein said stimulation means comprises an implantable pulse generator with at least two fixed programs which are activated with a magnet.

3. (original): The method of claim 1, wherein said external component is an external magnet.

4. (original): The method of claim 1, wherein said external component is an external stimulator.

5. (original): The method of claim 4, wherein said external stimulator further comprises telemetry means for networking.

6. (original): The method of claim 1, wherein said programmer further comprises a telemetry unit for networking.

7. (original): The method of claim 6, wherein said programmer means can be remotely operated over a wide area network.

8. (original): The method of claim 1, wherein said stimulation means comprises,

- a) an implanted stimulus-receiver; said stimulus-receiver comprising circuitry and a high-value capacitor for storing charge; and
- b) an external stimulator for delivering power and data.

9. (original): The method of claim 1, wherein said implantable components comprise an implantable pulse generator (IPG) with a recharging coil for recharging the implantable pulse generator using an external power source.

10. (original): A method of providing electrical pulses to one or both vagus nerve(s) and its branches of a patient, with a stimulation means comprising implanted and external components to provide therapy for at least one of atrial fibrillation, congestive heart failure, inappropriate sinus tachycardia, and refractory hypertension, comprising the steps of:

- a) providing implantable pulse generator means;
- b) providing an external stimulator means and programming means;
- c) providing a lead in connection with said implantable pulse generator means, and adapted to be in contact with the said vagus nerve(s); and
- d) selectively operating said implantable pulse generator means or external stimulator means

whereby, said therapy is provided with pulsed electrical stimulation.

11. (original): The method of claim 10, wherein said programmer means are remotely operated a wide area network.

12. (original): The method of claim 10, wherein said external stimulation means are remotely controlled over a wide area network.

13. (original): A method of providing therapy for congestive heart failure (CHF) using electrical pulses to a vagus nerve, comprising the steps of:

a) providing implantable stimulation means wherein, said stimulation means comprises implanted or external power source, to provide electrical pulses to said vagus nerve;

b) providing programmer means external to the body for programming said stimulation means;

whereby, said electrical pulses supplied to said vagus nerve provide therapy for congestive heart failure.

14. (original): The method of claim 13, wherein said stimulation means comprises an implantable pulse generator with fixed programs which is controllable with a magnet.

15. (original): The method of claim 13, wherein said programmer means are remotely operated over a wide area network.

16. (original): The method of claim 13, wherein said stimulation means can be remotely controlled over a wide area network.

17. (original): The method of claim 13, wherein said implantable components comprise an implantable pulse generator (IPG) with a recharging coil for recharging the implantable pulse generator using an external power source

18. (original): A method to increase the cardiac parasympathetic tone in a patient using pulsed electrical stimulation to a vagus nerve, comprising the steps of:

a) providing implantable stimulation means wherein, said stimulation means comprises implanted or external power source, to provide electrical pulses to said vagus nerve;

b) providing programmer means external to the body for programming said stimulation means;

whereby, said pulsed electrical stimulation to said vagus nerve leads to increased cardiac parasympathetic tone.

19. (original): The method of claim 18, wherein said stimulation means comprises an implantable pulse generator with fixed programs which is controllable with an external magnet.

20. (original): The method of claim 18, wherein said programmer means are remotely operated via the internet.

21. (original): The method of claim 18, wherein said stimulation means can be remotely controlled over a wireless wide area network.

22. (original): The method of claim 18, wherein said implantable components comprise an implantable pulse generator (IPG) with a recharging coil for recharging the implantable pulse generator using an external power source.

23. (currently amended, withdrawn): A system of providing electrical pulses to one or both vagus nerve(s) and its branches of a patient, with a combination of implanted and external components to provide therapy for at least one of atrial fibrillation, congestive heart failure, inappropriate sinus tachycardia, and refractory hypertension, comprising:

- a) a vagus nerve stimulation means; wherein said stimulation means comprising implantable and external components;
- b) programming means; wherein said programming means comprising means for networking with remote computers for data exchange; and
- c) programming said stimulation means with said programming means; whereby, said electrical pulse therapy is provided as programmed.

24. (withdrawn): The system of claim 23, wherein said stimulation means comprises an implantable pulse generator with at least two fixed programs which are activated with a magnet.

25. (withdrawn): The system of claim 23, wherein said external component is a magnet.

26. (withdrawn): The system of claim 23, wherein said external component is an external stimulator.

27. (withdrawn): The system of claim 26, wherein said external stimulator further comprises telemetry means for networking.

28. (withdrawn): The system of claim 23, wherein said programmer means can be remotely operated over a wide area network.

29. (withdrawn): The system of claim 23, wherein said implantable components comprise an implantable pulse generator (IPG) with a recharging coil for recharging the implantable pulse generator using an external power source.

30. (withdrawn): The system of claim 23, wherein said stimulation means comprises,

- a) an implanted stimulus-receiver; said stimulus-receiver comprising circuitry and a high-value capacitor for storing charge; and .
- b) an external stimulator for delivering power and data.